

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				
1	Slight	2	Health		
2	Moderate	0	Flammability		
3	High	0	Reactivity		
4	Severe				

Not regulated by the U.S. DOT as a hazardous material. (See Section 14 for additional information)

SECTION 1: IDENTIFICATION	
Product Name:	Alliance®
EPA Registration #:	Exempt
Product ID/Unity #:	10000805, 10012906, 10014643, 10016577, 10122195, 60326541
Common Name:	Water conditioner
Chemical Description:	Ammonium sulfate based water conditioner
Recommended Uses:	Adjuvant product – See product label for full directions for use.
Restrictions for Use:	See product label for any restrictions on use.
Manufactured For: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW: Green liquid with slightly sweet odor. May cause eye irritation. May be harmful if swallowed.	
POTENTIAL HEALTH EFFECTS:	
Eyes: May cause irritation.	
Skin: May cause mild skin irritation.	
Inhalation: Inhalation may cause irritation of the upper respiratory tract.	
Ingestion: May be harmful if swallowed. If swallowed, gastric upset, or ulceration of the G.I tract and diarrhea can occur.	
Preexisting Conditions: Preexisting respiratory conditions may be aggravated by exposure to mist.	
Chronic Health Effects: None known.	
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: Eye Irritation Category 2B	
SIGNAL WORD: WARNING	
HAZARD STATEMENTS: Causes eye irritation.	
Percent of product with unknown toxicity: 0.07%	
PRECAUTIONARY STATEMENTS:	
Prevention:	Wash hands thoroughly after handling.
Response:	If in eyes: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage:	See section 7 for storage information.
Disposal	See section 13 for disposal information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	% (wt)	CAS Reg. #
Ammonium sulfate	32.0 – 36.0%	7783-20-2
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(j).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES

Inhalation:	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
Ingestion:	Seek medical attention or call a poison control center for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Eyes:	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
Skin:	Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if irritation persists.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use carbon dioxide or dry chemical for small fires and water fog or foam for large fires.
Special Fire Fighting Procedures:	Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.
Hazardous Combustion Products:	Ammonia and sulfur trioxide
Unusual Fire and Explosion Hazards:	This product will produce foam when mixed with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
Environmental Precautions:	Prevent the spilled product from reaching public sewers or waterways.
Methods for Containment:	Contain spilled liquid by diking area with sand or earth.
Methods for Clean-up:	Cover contained spill with an inert absorbent material such as sand, vermiculite or other appropriate material. Vacuum, scoop or sweep up material and place in a container for disposal. Do not place spilled material back in original container.
Other Information:	None known

SECTION 7: HANDLING AND STORAGE

Handling:	Ensure adequate ventilation. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.
Storage:	Store in cool, dry area away from children, feed and food products in an area away from incompatible substances. Protect packaging from physical damage. Protect from exposure to fire. Maintain product above minimum storage temperature.
Minimum Storage Temperature:	40°F
Other Precautions:	Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines			
Component:	OSHA PEL	ACGIH TLV	NIOSH REL
No components have exposure guidelines.			
Respiratory Protection: For most well-ventilated conditions, no respiratory protection should be needed.			
Engineering Controls:	Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.		
Protective Gloves: Wear chemically protective gloves to prevent exposure to skin.			
Eye Protection: To avoid contact with eyes, wear chemical safety goggles or safety glasses and full face shield. Contact lenses are not protective eye devices. An emergency eyewash or water supply should be readily accessible to the work area.			
Other Protective Clothing or Equipment: Wear long-sleeve shirt, long pants and shoes plus socks to prevent skin contact.			
Work/Hygienic Practices: Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Specific Gravity (H₂O=1):	1.253
Vapor Pressure (mm Hg):	Not determined	Density (lbs/gallon):	10.35 – 10.45 lbs/gallon
Vapor Density (Air=1):	Not determined	Melting Point/Freezing Point:	Not determined
Solubility in Water (wt %):	Soluble	Boiling Point/Range:	Not determined
Viscosity:	Not determined	pH:	6.3
Appearance and odor:	Green liquid with slightly sweet odor	Flash Point:	>200°F

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None known
Chemical Stability: This product is stable at ambient temperature and pressure, under normal storage and handling conditions.
Possibility of Hazardous Reactions: Will not occur
Conditions to Avoid: Temperatures below 40°F.
Incompatible Materials: Strong oxidizers, bases, chlorates, nitrates
Hazardous Decomposition Products: Ammonia and sulfur trioxide

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	
Eye Effects:	May cause eye irritation (based upon data from a substantially similar product).
Skin Effects:	May cause mild skin irritation. Estimated LD50 > 3 g/kg
Acute Inhalation Effects:	May cause irritation of the upper respiratory tract.
Acute Oral Effects:	Estimated LD50 >4,800 mg/kg
Specific Target Organ Toxicity:	None known
CHRONIC TOXICITY	
Chronic Effects:	None known
Carcinogenicity:	None known
Mutagenicity:	None known
Teratogenicity:	None known
Reproductive Toxicity:	None known
POTENTIAL HEALTH EFFECTS:	
Eyes: May cause irritation.	
Skin: May cause mild skin irritation.	
Inhalation: Inhalation may cause irritation of the upper respiratory tract.	
Ingestion: May be harmful if swallowed. If swallowed, gastric upset, or ulceration of the G.I tract and diarrhea can occur.	

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: This product is not anticipated to be harmful in recommended amounts.

ECOTOXICITY DATA:

Fish Acute and Prolonged Toxicity: Not determined
Aquatic Invertebrate Acute Toxicity: Not determined
Aquatic Plant Toxicity: Not determined
Bird Acute and Prolonged Toxicity: Not determined
Honeybee Toxicity: Not determined

ENVIRONMENTAL EFFECTS:

Soil Absorption/Mobility: Not determined
Persistence and degradability: Not determined
Bioaccumulative Potential: Not determined
Other adverse effects: Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

Waste: Dispose of in accordance with applicable Federal, state and local laws and regulations.

Container: Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations.

RCRA Characteristics: It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

SECTION 14: TRANSPORT INFORMATION

DOT: This product is not regulated as a hazardous material by the U.S. Department of Transportation for ground shipment.

IMDG: This product is not regulated as a hazardous material by the IMDG code for shipment by sea.

IATA: This product is not regulated as a hazardous material by the IATA for air shipment

TDG: This product is not regulated as a hazardous material by the TDG for ground shipment.

SECTION 15: REGULATORY INFORMATION

TSCA Inventory: All components are listed or exempt from listing on the TSCA inventory.

SARA Title III Information:

Section 302 - Extremely hazardous substances: None listed

Section 311/312 - Hazard Categories: Immediate (Acute)

Section 313 - The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:
None listed

CERCLA - This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):
None listed

U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):

Chemical Name	CAS #	State(s)
Ammonium sulfate	7783-20-2	MA, NJ, PA, RI

Canadian Domestic Substances List: All components are listed on the DSL.

WHMIS Classification: D2B - eye irritation

SECTION 16: OTHER

Disclaimer: The information presented herein is based on available data from reliable sources and is correct to the best of

WinField Solutions' knowledge. WinField Solutions, LLC makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

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